

STEP ONE ECONOMIC IMPACT ANALYSIS

PREFERRED ALTERNATIVE

Table 1.1 Commercial Fishing: Summary of Impacts of the Preferred Alternative on Ex-Vessel Value by Species Group

Species Group	Phase 1		Phase 2 - State		Phase 2 - Federal		Total	
	Value	%	Value	%	Value	%	Value	%
Squid	\$ 1,643,642	12.60	\$ 17,076	0.13	\$ 51,230	0.39	\$ 1,711,948	13.12
Kelp	\$ 332,794	5.55	\$ -	0.00	\$ -	0.00	\$ 332,794	5.55
Urchins	\$ 830,464	15.77	\$ -	0	\$ -	0.00	\$ 830,464	15.77
Spiny Lobster	\$ 147,867	16.04	\$ 1,266	0.14	\$ -	0.00	\$ 149,133	16.18
Prawn	\$ 21,436	3.05	\$ 37,179	5.29	\$ 53,225	7.57	\$ 111,840	15.91
Rockfish	\$ 70,994	12.92	\$ 21,245	3.87	\$ 25,399	4.62	\$ 117,638	21.41
Crab	\$ 50,101	14.58	\$ 38	0.01	\$ -	0.00	\$ 50,139	14.59
Tuna	\$ 5,081	1.66	\$ 3,872	1.27	\$ 31,581	10.33	\$ 40,534	13.26
Wetfish	\$ 22,408	7.43	\$ 6,103	2.02	\$ 33,162	11.00	\$ 61,673	20.45
CA Sheepshead	\$ 38,326	16.24	\$ 296	0.13	\$ -	0.00	\$ 38,622	16.37
Flatfishes	\$ 21,677	11.79	\$ 975	0.53	\$ 3,000	1.63	\$ 25,652	13.95
Sea Cucumbers	\$ 27,731	16.54	\$ -	0	\$ -	0.00	\$ 27,731	16.54
Sculpin & Bass	\$ 5,644	9.36	\$ 1,221	2.02	\$ 3,189	5.29	\$ 10,054	16.67
Shark	\$ 4,645	13.37	\$ 234	0.67	\$ 720	2.07	\$ 5,599	16.11
Total	\$ 3,222,810	11.46	\$ 89,505	0.32	\$ 201,506	0.72	\$ 3,513,821	12.5

Percents are the amount of each species/species groups ex vessel value impacted by an alternative divided by the Study Area Total for the species/species group.

Table 1.2. Maximum Potential Loss Associated with the Preferred Alternative, Initial State Waters phase, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		15,670	9.87%		3,260	18.18%		27,802	12.99%		12,337	26.14%
Market Impact												
Direct Sales	\$	2,422,686	9.90%	\$	550,974	18.31%	\$	1,994,237	12.99%	\$	678,539	26.20%
Direct Wages and Salaries	\$	1,124,310	9.88%	\$	264,461	18.25%	\$	720,580	12.99%	\$	178,680	26.18%
Direct Employment		35	9.98%		9	18.09%		23	12.99%		6	26.20%
Total Income												
Upper Bound	\$	2,810,774	9.88%	\$	661,153	18.25%	\$	1,801,449	12.99%	\$	446,701	26.18%
Lower Bound	\$	2,248,619	9.88%	\$	528,922	18.25%	\$	1,441,159	12.99%	\$	357,361	26.18%
Total Employment												
Upper Bound		70	9.98%		17	18.09%		46	12.99%		13	26.20%
Lower Bound		52	9.98%		13	18.09%		34	12.99%		10	26.20%
Non-Market Impact												
Consumer's Surplus	\$	181,434	9.87%	\$	37,746	18.18%	\$	321,912	12.99%	\$	142,848	26.20%
Profit ¹	\$	37,851	10.06%	\$	8,130	18.47%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 1.3. Economic Impact Associated with the Preferred Alternative, Initial State Waters phase, All Counties

	Whale Watching			NC Diving		Sailing		Kayaking/Sightseeing				
	Boundary	% of		Boundary	% of	Boundary	% of	Boundary	% of Study			
	Alternative	Area		Alternative	Area	Alternative	Area	Alternative	Area			
Person-days	3,941	15.17%		1,915	17.77%		436	10.87%	358	29.07%		
Market Impact												
Direct Sales	\$	655,196	15.3%	\$	335,550	18.1%	\$	76,234	11.0%	\$	74,860	29.1%
Direct Wages and Salaries	\$	317,478	15.2%	\$	163,877	18.2%	\$	35,368	10.8%	\$	37,579	29.1%
Direct Employment		11	14.6%		6	17.8%		1	10.9%		2	29.1%
Total Income												
Upper Bound	\$	793,694	15.2%	\$	409,694	18.2%	\$	88,420	10.8%	\$	93,949	29.1%
Lower Bound	\$	634,955	15.2%	\$	327,755	18.2%	\$	70,736	10.8%	\$	75,159	29.1%
Total Employment												
Upper Bound		21	14.6%		11	17.8%		2	10.9%		3	29.1%
Lower Bound		16	14.6%		8	17.8%		2	10.9%		2	29.1%
Non-Market Impact												
Consumer's Surplus	\$	45,627	15.2%	\$	22,171	17.8%	\$	5,052	10.9%	\$	4,151	29.1%
Profit ¹	\$	19,038	12.1%	\$	8,268	17.9%	\$	2,410	13.4%	\$	804	29.1%

¹Profit is used as a proxy for producer's surplus.

Table 1.4. Maximum Potential Loss Associated with the Preferred Alternative, Phase 2 State Waters, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		2,774	1.75%		145	0.81%		2,496	1.17%		220	0.47%
Market Impact												
Direct Sales	\$	428,219	1.75%	\$	23,171	0.77%	\$	179,041	1.17%	\$	12,121	0.47%
Direct Wages and Salaries	\$	199,808	1.76%	\$	11,273	0.78%	\$	64,688	1.17%	\$	3,188	0.47%
Direct Employment		6	1.77%		0	0.83%		2	1.17%		0	0.48%
Total Income												
Upper Bound	\$	499,521	1.76%	\$	28,183	0.78%	\$	161,720	1.17%	\$	7,971	0.47%
Lower Bound	\$	399,617	1.76%	\$	22,546	0.78%	\$	129,376	1.17%	\$	6,377	0.47%
Total Employment												
Upper Bound		12	1.77%		1	0.83%		4	1.17%		0	0.48%
Lower Bound		9	1.77%		1	0.83%		3	1.17%		0	0.48%
Non-Market Impact												
Consumer's Surplus	\$	32,124	1.75%	\$	1,683	0.81%	\$	28,901	1.17%	\$	2,552	0.47%
Profit ¹	\$	6,525	1.73%	\$	332	0.76%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 1.5. Economic Impact Associated with the Preferred Alternative, Phase 2 State Waters, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing	
	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area
Person-days	82	0.32%	159	1.48%	20	0.49%	-	0.00%
Market Impact								
Direct Sales	\$ 13,571	0.3%	\$ 25,752	1.4%	\$ 3,347	0.5%	\$ -	0.0%
Direct Wages and Salaries	\$ 6,588	0.3%	\$ 12,593	1.4%	\$ 1,620	0.5%	\$ -	0.0%
Direct Employment	0	0.3%	0	1.5%	0	0.5%	-	0.0%
Total Income								
Upper Bound	\$ 16,469	0.3%	\$ 31,483	1.4%	\$ 4,049	0.5%	\$ -	0.0%
Lower Bound	\$ 13,176	0.3%	\$ 25,186	1.4%	\$ 3,239	0.5%	\$ -	0.0%
Total Employment								
Upper Bound	0	0.3%	1	1.5%	0	0.5%	-	0.0%
Lower Bound	0	0.3%	1	1.5%	0	0.5%	-	0.0%
Non-Market Impact								
Consumer's Surplus	\$ 949	0.3%	\$ 1,842	1.5%	\$ 229	0.5%	\$ -	0.0%
Profit ¹	\$ 449	0.3%	\$ 519	1.1%	\$ 44	0.2%	\$ -	0.0%

¹Profit is used as a proxy for producer's surplus.

Table 1.6. Maximum Potential Loss Associated with the Preferred Alternative, Phase 2 Federal Waters, All Counties

	Charter Boat Fishing		Charter Boat Diving		Private Boat Fishing		Private Boat Diving	
	Boundary	% of Study	Boundary	% of Study	Boundary	% of Study	Boundary	% of Study
	Alternative	Area	Alternative	Area	Alternative	Area	Alternative	Area
Person-days	7,323	4.61%	329	1.83%	6,083	2.84%	521	1.10%
Market Impact								
Direct Sales	\$ 1,126,649	4.60%	\$ 56,250	1.87%	\$ 436,339	2.84%	\$ 28,665	1.11%
Direct Wages and Salaries	\$ 524,739	4.61%	\$ 26,322	1.82%	\$ 157,716	2.84%	\$ 7,449	1.09%
Direct Employment	16	4.58%	1	1.80%	5	2.85%	0	1.10%
Total Income								
Upper Bound	\$ 1,311,848	4.61%	\$ 65,806	1.82%	\$ 394,289	2.84%	\$ 18,624	1.09%
Lower Bound	\$ 1,049,478	4.61%	\$ 52,645	1.82%	\$ 315,431	2.84%	\$ 14,899	1.09%
Total Employment								
Upper Bound	32	4.58%	2	1.80%	10	2.85%	1	1.10%
Lower Bound	24	4.58%	1	1.80%	8	2.85%	0	1.10%
Non-Market Impact								
Consumer's Surplus	\$ 84,787	4.61%	\$ 3,805	1.83%	\$ 70,434	2.84%	\$ 6,035	1.11%
Profit ¹	\$ 17,066	4.54%	\$ 892	2.03%	n/a	n/a	n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 1.7. Economic Impact Associated with the Preferred Alternative, Phase 2 Federal Waters, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing	
	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area
Person-days	351	1.35%	222	2.06%	59	1.48%	-	0.00%
Market Impact								
Direct Sales	\$ 58,482	1.4%	\$ 39,490	2.1%	\$ 10,041	1.4%	\$ -	0.0%
Direct Wages and Salaries	\$ 28,301	1.4%	\$ 19,318	2.1%	\$ 4,859	1.5%	\$ -	0.0%
Direct Employment	1	1.3%	1	2.1%	0	1.5%	-	0.0%
Total Income								
Upper Bound	\$ 70,752	1.4%	\$ 48,296	2.1%	\$ 12,147	1.5%	\$ -	0.0%
Lower Bound	\$ 56,601	1.4%	\$ 38,637	2.1%	\$ 9,718	1.5%	\$ -	0.0%
Total Employment								
Upper Bound	2	1.3%	1	2.1%	0	1.5%	-	0.0%
Lower Bound	1	1.3%	1	2.1%	0	1.5%	-	0.0%
Non-Market Impact								
Consumer's Surplus	\$ 4,061	1.3%	\$ 2,570	2.1%	\$ 688	1.5%	\$ -	0.0%
Profit ¹	\$ 1,527	1.0%	\$ 996	2.2%	\$ 132	0.7%	\$ -	0.0%

¹Profit is used as a proxy for producer's surplus.

Table 1.8. Commercial Fishing Impacts of the Preferred Alternative on Total Income By County

County	Phase 1 Total Income	Phase 2 - State Total Income	Phase 2 - Federal Total Income	Total Alternative Income
1. Monterey	\$1,195,421	\$12,424	\$37,284	\$1,245,129
2. San Luis Obispo	\$14,664	\$4,060	\$4,878	\$23,602
3. Santa Barbara	\$2,060,862	\$29,342	\$34,437	\$2,124,641
4. Ventura	\$4,957,217	\$145,251	\$379,404	\$5,481,872
5. Los Angeles	\$1,147,229	\$13,700	\$52,134	\$1,213,063
6. Orange	\$17	\$7	\$54	\$78
7. San Diego	\$535,111	\$70	\$565	\$535,746
All Counties	\$9,910,520	\$204,854	\$508,756	\$10,624,130

Table 1.9. Commercial Fishing Impacts of the Preferred Alternative on Total Employment By County

County	Phase 1 Total Employment	Phase 2 - State Total Employment	Phase 2 - Federal Total Employment	Total Alternative Employment
1. Monterey	35	0	1	36
2. San Luis Obispo	1	0	0	1
3. Santa Barbara	67	1	1	69
4. Ventura	151	4	12	167
5. Los Angeles	30	0	1	31
6. Orange	0	0	0	0
7. San Diego	5	0	0	5
All Counties	289	6	15	310

STEP ONE ECONOMIC IMPACT ANALYSIS

ALTERNATIVE 1

Table 2.1 Commercial Fishing: Summary of Impacts of Alternative 1 on Ex-Vessel Value by Species Group

Species Group	Phase 1		Phase 2 - State		Phase 2 - Federal		Total	
	Value	%	Value	%	Value	%	Value	%
Squid	\$ 636,109	4.88	\$ 25,614	0.20	\$ 51,227	0.39	\$ 712,950	5.47
Kelp	\$ 265,568	4.43	\$ -	0.00	\$ -	0.00	\$ 265,568	4.43
Urchins	\$ 735,214	13.96	\$ -	0.00	\$ -	0.00	\$ 735,214	13.96
Spiny Lobster	\$ 77,829	8.44	\$ 3,798	0.41	\$ -	0.00	\$ 81,627	8.85
Prawn	\$ 25,602	3.64	\$ 68,568	9.75	\$ 80,095	11.39	\$ 174,265	24.78
Rockfish	\$ 70,862	12.90	\$ 2,102	0.38	\$ -	0.00	\$ 72,964	13.28
Crab	\$ 26,157	7.61	\$ 174	0.05	\$ -	0.00	\$ 26,331	7.66
Tuna	\$ 1,765	0.58	\$ 3,242	1.06	\$ 9,382	3.07	\$ 14,389	4.71
Wetfish	\$ 3,641	1.21	\$ 6,353	2.11	\$ 4,800	1.59	\$ 14,794	4.91
CA Sheepshead	\$ 23,432	9.93	\$ 592	0.25	\$ -	0.00	\$ 24,024	10.18
Flatfishes	\$ 7,987	4.34	\$ 1,575	0.86	\$ 600	0.33	\$ 10,162	5.53
Sea Cucumbers	\$ 21,406	12.76	\$ -	0.00	\$ -	0.00	\$ 21,406	12.76
Sculpin & Bass	\$ 2,797	4.64	\$ 1,638	2.72	\$ 624	1.03	\$ 5,059	8.39
Shark	\$ 2,680	7.71	\$ 378	1.09	\$ 144	0.41	\$ 3,202	9.21
Total	\$ 1,901,049	6.76	\$ 114,034	0.41	\$ 146,873	0.52	\$ 2,161,956	7.69

Percents are the amount of each species/species groups ex vessel value impacted by an alternative divided by the Study Area Total for the species/species group.

Table 2.2. Maximum Potential Loss Associated with Alternative 1, Initial State Waters phase, All Counties

	Charter Boat Fishing		Charter Boat Diving		Private Boat Fishing		Private Boat Diving					
	Boundary	% of Study	Boundary	% of Study	Boundary	% of Study	Boundary	% of Study				
	Alternative	Area	Alternative	Area	Alternative	Area	Alternative	Area				
Person-days	9,809	6.18%	1,160	6.47%	14,364	6.71%	2,015	4.27%				
Market Impact												
Direct Sales	\$	1,519,842	6.21%	\$	190,745	6.34%	\$	110,813	4.28%			
Direct Wages and Salaries	\$	710,382	6.24%	\$	92,647	6.39%	\$	372,330	6.71%	\$	29,241	4.28%
Direct Employment		22	6.38%		3	6.55%		12	6.71%		1	4.31%
Total Income												
Upper Bound	\$	1,775,955	6.24%	\$	231,618	6.39%	\$	930,825	6.71%	\$	73,102	4.28%
Lower Bound	\$	1,420,764	6.24%	\$	185,294	6.39%	\$	744,660	6.71%	\$	58,482	4.28%
Total Employment												
Upper Bound		45	6.38%		6	6.55%		24	6.71%		2	4.31%
Lower Bound		33	6.38%		5	6.55%		18	6.71%		2	4.31%
Non-Market Impact												
Consumer's Surplus	\$	113,571	6.18%	\$	13,430	6.47%	\$	166,319	6.71%	\$	23,329	4.28%
Profit ¹	\$	23,369	6.21%	\$	2,729	6.20%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 2.3. Economic Impact Associated with Alternative 1, Initial State Waters phase, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing		
	Boundary	% of	Boundary	% of	Boundary	% of	Boundary	% of Study	
	Alternative	Area	Alternative	Area	Alternative	Area	Alternative	Area	
Person-days	1,258	4.84%	731	6.78%	173	4.32%	126	10.19%	
Market Impact									
Direct Sales	\$	208,909	4.9%	\$	118,295	6.4%	\$	26,492	10.3%
Direct Wages and Salaries	\$	101,279	4.9%	\$	57,678	6.4%	\$	13,315	10.3%
Direct Employment		3	4.7%		2	6.8%		1	10.4%
Total Income									
Upper Bound	\$	253,197	4.9%	\$	144,195	6.4%	\$	33,288	10.3%
Lower Bound	\$	202,558	4.9%	\$	115,356	6.4%	\$	26,630	10.3%
Total Employment									
Upper Bound		7	4.7%		4	6.8%		1	10.4%
Lower Bound		5	4.7%		3	6.8%		1	10.4%
Non-Market Impact									
Consumer's Surplus	\$	14,564	4.8%	\$	8,461	6.8%	\$	1,455	10.2%
Profit ¹	\$	6,307	4.0%	\$	2,427	5.2%	\$	275	10.0%

¹Profit is used as a proxy for producer's surplus.

Table 2.4. Maximum Potential Loss Associated with Alternative 1, Phase 2 State Waters, All Counties

	Charter Boat Fishing			Charter Boat Diving		Private Boat Fishing		Private Boat Diving				
	Boundary	% of Study		Boundary	% of Study	Boundary	% of Study	Boundary	% of Study			
	Alternative	Area		Alternative	Area	Alternative	Area	Alternative	Area			
Person-days	2,944	1.85%		177	0.99%		1,903	0.89%	214	0.45%		
Market Impact												
Direct Sales	\$	454,707	1.86%	\$	27,880	0.93%	\$	136,496	0.89%	\$	11,761	0.45%
Direct Wages and Salaries	\$	212,235	1.87%	\$	13,574	0.94%	\$	49,356	0.89%	\$	3,086	0.45%
Direct Employment		7	1.88%		0	1.02%		2	0.89%		0	0.46%
Total Income												
Upper Bound	\$	530,587	1.87%	\$	33,935	0.94%	\$	123,389	0.89%	\$	7,715	0.45%
Lower Bound	\$	424,469	1.87%	\$	27,148	0.94%	\$	98,711	0.89%	\$	6,172	0.45%
Total Employment												
Upper Bound		13	1.88%		1	1.02%		3	0.89%		0	0.46%
Lower Bound		10	1.88%		1	1.02%		2	0.89%		0	0.46%
Non-Market Impact												
Consumer's Surplus	\$	34,087	1.85%	\$	2,051	0.99%	\$	22,033	0.89%	\$	2,476	0.45%
Profit ¹	\$	6,940	1.84%	\$	401	0.91%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 2.5. Economic Impact Associated with Alternative 1, Phase 2 State Waters, All Counties

	Whale Watching			NC Diving		Sailing		Kayaking/Sightseeing				
	Boundary	% of		Boundary	% of Study	Boundary	% of	Boundary	% of Study			
	Alternative	Area		Alternative	Area	Alternative	Area	Alternative	Area			
Person-days	30	0.11%		206	1.91%		24	0.59%	-	0.00%		
Market Impact												
Direct Sales	\$	4,981	0.1%	\$	32,769	1.8%	\$	4,016	0.6%	\$	-	0.0%
Direct Wages and Salaries	\$	2,409	0.1%	\$	16,024	1.8%	\$	1,944	0.6%	\$	-	0.0%
Direct Employment		0	0.1%		1	1.9%		0	0.6%		-	0.0%
Total Income												
Upper Bound	\$	6,022	0.1%	\$	40,059	1.8%	\$	4,859	0.6%	\$	-	0.0%
Lower Bound	\$	4,817	0.1%	\$	32,047	1.8%	\$	3,887	0.6%	\$	-	0.0%
Total Employment												
Upper Bound		0	0.1%		1	1.9%		0	0.6%		-	0.0%
Lower Bound		0	0.1%		1	1.9%		0	0.6%		-	0.0%
Non-Market Impact												
Consumer's Surplus	\$	345	0.1%	\$	2,387	1.9%	\$	275	0.6%	\$	-	0.0%
Profit ¹	\$	121	0.1%	\$	626	1.4%	\$	53	0.3%	\$	-	0.0%

¹Profit is used as a proxy for producer's surplus.

Table 2.6. Maximum Potential Loss Associated with Alternative 1, Phase 2 Federal Waters, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		3,593	2.26%		119	0.66%		4,202	1.96%		180	0.38%
Market Impact												
Direct Sales	\$	552,825	2.26%	\$	19,783	0.66%	\$	301,399	1.96%	\$	9,908	0.38%
Direct Wages and Salaries	\$	257,602	2.26%	\$	9,602	0.66%	\$	108,946	1.96%	\$	2,570	0.38%
Direct Employment		8	2.25%		0	0.66%		3	1.97%		0	0.38%
Total Income												
Upper Bound	\$	644,006	2.26%	\$	24,005	0.66%	\$	272,365	1.96%	\$	6,425	0.38%
Lower Bound	\$	515,205	2.26%	\$	19,204	0.66%	\$	217,892	1.96%	\$	5,140	0.38%
Total Employment												
Upper Bound		16	2.25%		1	0.66%		7	1.97%		0	0.38%
Lower Bound		12	2.25%		0	0.66%		5	1.97%		0	0.38%
Non-Market Impact												
Consumer's Surplus	\$	41,598	2.26%	\$	1,374	0.66%	\$	48,652	1.96%	\$	2,086	0.38%
Profit ¹	\$	8,364	2.22%	\$	283	0.64%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 2.7. Economic Impact Associated with Alternative 1, Phase 2 Federal Waters, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing					
	Boundary	% of	Boundary	% of Study	Boundary	% of	Boundary	% of Study				
	Alternative	Area	Alternative	Area	Alternative	Area	Alternative	Area				
Person-days	2	0.01%	105	0.98%	32	0.79%	-	0.00%				
Market Impact												
Direct Sales	\$	373	0.0%	\$	18,531	1.0%	\$	5,355	0.8%	\$	-	0.0%
Direct Wages and Salaries	\$	181	0.0%	\$	9,065	1.0%	\$	2,591	0.8%	\$	-	0.0%
Direct Employment		0	0.0%		0	1.0%		0	0.8%		-	0.0%
Total Income												
Upper Bound	\$	451	0.0%	\$	22,663	1.0%	\$	6,478	0.8%	\$	-	0.0%
Lower Bound	\$	361	0.0%	\$	18,130	1.0%	\$	5,183	0.8%	\$	-	0.0%
Total Employment												
Upper Bound		0	0.0%		1	1.0%		0	0.8%		-	0.0%
Lower Bound		0	0.0%		0	1.0%		0	0.8%		-	0.0%
Non-Market Impact												
Consumer's Surplus	\$	26	0.0%	\$	1,219	1.0%	\$	367	0.8%	\$	-	0.0%
Profit ¹	\$	9	0.0%	\$	457	1.0%	\$	71	0.4%	\$	-	0.0%

¹Profit is used as a proxy for producer's surplus.

Table 2.8. Commercial Fishing Impacts of Alternative 1 on Total Income By County

County	Phase 1 Total Income	Phase 2 - State Total Income	Phase 2 - Federal Total Income	Total Alternative Income
1. Monterey	\$462,638	\$18,633	\$37,261	\$518,532
2. San Luis Obispo	\$13,961	\$423	\$32	\$14,416
3. Santa Barbara	\$1,659,512	\$19,504	\$12,112	\$1,691,128
4. Ventura	\$2,049,847	\$229,500	\$312,044	\$2,591,391
5. Los Angeles	\$448,130	\$18,660	\$33,225	\$500,015
6. Orange	\$6	\$6	\$16	\$28
7. San Diego	\$427,870	\$60	\$168	\$428,098
All Counties	\$5,061,964	\$286,785	\$394,857	\$5,743,606

Table 2.9. Commercial Fishing Impacts of Alternative 1 on Total Employment By County

County	Phase 1 Total Employment	Phase 2 - State Total Employment	Phase 2 - Federal Total Employment	Total Alternative Employment
1. Monterey	14	1	1	16
2. San Luis Obispo	1	0	0	1
3. Santa Barbara	54	1	0	55
4. Ventura	62	7	9	78
5. Los Angeles	12	0	1	13
6. Orange	0	0	0	0
7. San Diego	4	0	0	4
All Counties	147	9	12	168

STEP ONE
ECONOMIC IMPACT ANALYSIS

ALTERNATIVE 2

Table 3.1 Commercial Fishing: Summary of Impacts of Alternative 2 on Ex-Vessel Value by Species Group

Species Group	Phase 1		Phase 2 - State		Phase 2 - Federal		Total	
	Value	%	Value	%	Value	%	Value	%
Squid	\$ 695,877	5.33	\$ 17,076	0.13	\$ 12,807	0.10	\$ 725,760	5.56
Kelp	\$ 332,794	5.55	\$ -	0.00	\$ -	0.00	\$ 332,794	5.55
Urchins	\$ 704,761	13.39	\$ -	0.00	\$ -	0.00	\$ 704,761	13.39
Spiny Lobster	\$ 82,159	8.91	\$ 1,266	0.14	\$ -	0.00	\$ 83,425	9.05
Prawn	\$ 22,988	3.27	\$ 40,283	5.73	\$ 73,248	10.42	\$ 136,519	19.42
Rockfish	\$ 64,985	11.83	\$ -	0.00	\$ 4,204	0.77	\$ 69,189	12.6
Crab	\$ 26,837	7.81	\$ 106	0.03	\$ -	0.00	\$ 26,943	7.84
Tuna	\$ 2,618	0.86	\$ 3,258	1.07	\$ 10,500	3.44	\$ 16,376	5.37
Wetfish	\$ 6,304	2.09	\$ 6,269	2.08	\$ 6,186	2.05	\$ 18,759	6.22
CA Sheepshead	\$ 43,966	18.64	\$ 296	0.13	\$ -	0.00	\$ 44,262	18.77
Flatfishes	\$ 19,177	10.43	\$ 975	0.53	\$ 2,775	1.51	\$ 22,927	12.47
Sea Cucumbers	\$ 28,667	17.09	\$ -	0.00	\$ -	0.00	\$ 28,667	17.09
Sculpin & Bass	\$ 4,990	8.27	\$ 1,014	1.68	\$ 2,886	4.78	\$ 8,890	14.73
Shark	\$ 1,539	4.43	\$ 234	0.67	\$ 450	1.29	\$ 2,223	6.39
Total	\$ 2,037,662	7.25	\$ 70,777	0.25	\$ 113,056	0.40	\$ 2,221,495	7.9

Percents are the amount of each species/species groups ex vessel value impacted by an alternative divided by the Study Area Total for the species/species group.

Table 3.2. Maximum Potential Loss Associated with Alternative 2, Initial State Waters phase, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		14,319	9.02%		3,686	20.55%		26,452	12.36%		12,369	26.21%
Market Impact												
Direct Sales	\$	2,211,843	9.04%	\$	621,515	20.66%	\$	1,897,427	12.36%	\$	680,286	26.27%
Direct Wages and Salaries	\$	1,032,411	9.07%	\$	301,484	20.81%	\$	685,639	12.36%	\$	179,208	26.26%
Direct Employment		32	9.16%		10	20.51%		22	12.36%		6	26.27%
Total Income												
Upper Bound	\$	2,581,027	9.07%	\$	753,710	20.81%	\$	1,714,098	12.36%	\$	448,020	26.26%
Lower Bound	\$	2,064,822	9.07%	\$	602,968	20.81%	\$	1,371,279	12.36%	\$	358,416	26.26%
Total Employment												
Upper Bound		64	9.16%		20	20.51%		43	12.36%		13	26.27%
Lower Bound		48	9.16%		15	20.51%		33	12.36%		10	26.27%
Non-Market Impact												
Consumer's Surplus	\$	165,797	9.02%	\$	42,682	20.56%	\$	306,285	12.36%	\$	143,216	26.27%
Profit ¹	\$	33,766	8.97%	\$	8,872	20.16%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 3.3. Economic Impact Associated with Alternative 2, Initial State Waters phase, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing		
	Boundary	% of	Boundary	% of	Boundary	% of	Boundary	% of Study	
	Alternative	Area	Alternative	Area	Alternative	Area	Alternative	Area	
Person-days	4,393	16.91%	1,876	17.41%	468	11.65%	135	10.92%	
Market Impact									
Direct Sales	\$	730,073	17.0%	\$	329,391	17.7%	\$	27,488	10.7%
Direct Wages and Salaries	\$	353,842	17.0%	\$	159,915	17.8%	\$	13,756	10.6%
Direct Employment		12	16.3%		5	17.4%		1	10.5%
Total Income									
Upper Bound	\$	884,605	17.0%	\$	399,787	17.8%	\$	34,391	10.6%
Lower Bound	\$	707,684	17.0%	\$	319,829	17.8%	\$	27,513	10.6%
Total Employment									
Upper Bound		24	16.3%		11	17.4%		1	10.5%
Lower Bound		18	16.3%		8	17.4%		1	10.5%
Non-Market Impact									
Consumer's Surplus	\$	50,868	16.9%	\$	21,716	17.4%	\$	1,559	10.9%
Profit ¹	\$	21,597	13.7%	\$	8,399	18.1%	\$	319	11.5%

¹Profit is used as a proxy for producer's surplus.

Table 3.4. Maximum Potential Loss Associated with Alternative 2, Phase 2 State Waters, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		2,427	1.53%		106	0.59%		2,083	0.97%		130	0.28%
Market Impact												
Direct Sales	\$	374,334	1.53%	\$	16,966	0.56%	\$	149,421	0.97%	\$	7,141	0.28%
Direct Wages and Salaries	\$	174,611	1.53%	\$	8,251	0.57%	\$	54,019	0.97%	\$	1,875	0.27%
Direct Employment		5	1.54%		0	0.60%		2	0.98%		0	0.28%
Total Income												
Upper Bound	\$	436,528	1.53%	\$	20,626	0.57%	\$	135,047	0.97%	\$	4,687	0.27%
Lower Bound	\$	349,222	1.53%	\$	16,501	0.57%	\$	108,038	0.97%	\$	3,749	0.27%
Total Employment												
Upper Bound		11	1.54%		1	0.60%		3	0.98%		0	0.28%
Lower Bound		8	1.54%		0	0.60%		3	0.98%		0	0.28%
Non-Market Impact												
Consumer's Surplus	\$	28,101	1.53%	\$	1,222	0.59%	\$	24,120	0.97%	\$	1,503	0.28%
Profit ¹	\$	5,695	1.51%	\$	243	0.55%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 3.5. Economic Impact Associated with Alternative 2, Phase 2 State Waters, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing	
	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area
Person-days	118	0.45%	114	1.06%	58	1.44%	-	0.00%
Market Impact								
Direct Sales	\$ 19,650	0.5%	\$ 18,913	1.0%	\$ 9,740	1.4%	\$ -	0.0%
Direct Wages and Salaries	\$ 9,498	0.5%	\$ 9,250	1.0%	\$ 4,713	1.4%	\$ -	0.0%
Direct Employment	0	0.4%	0	1.1%	0	1.4%	-	0.0%
Total Income								
Upper Bound	\$ 23,745	0.5%	\$ 23,125	1.0%	\$ 11,783	1.4%	\$ -	0.0%
Lower Bound	\$ 18,996	0.5%	\$ 18,500	1.0%	\$ 9,426	1.4%	\$ -	0.0%
Total Employment								
Upper Bound	1	0.4%	1	1.1%	0	1.4%	-	0.0%
Lower Bound	0	0.4%	0	1.1%	0	1.4%	-	0.0%
Non-Market Impact								
Consumer's Surplus	\$ 1,361	0.5%	\$ 1,325	1.1%	\$ 667	1.4%	\$ -	0.0%
Profit ¹	\$ 461	0.3%	\$ 403	0.9%	\$ 129	0.7%	\$ -	0.0%

¹Profit is used as a proxy for producer's surplus.

Table 3.6. Maximum Potential Loss Associated with Alternative 2, Phase 2 Federal Waters, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		6,235	3.93%		183	1.02%		5,421	2.53%		261	0.55%
Market Impact												
Direct Sales	\$	958,692	3.92%	\$	30,853	1.03%	\$	388,846	2.53%	\$	14,340	0.55%
Direct Wages and Salaries	\$	446,590	3.92%	\$	14,965	1.03%	\$	140,558	2.53%	\$	3,725	0.55%
Direct Employment		14	3.89%		0	1.02%		4	2.54%		0	0.55%
Total Income												
Upper Bound	\$	1,116,475	3.92%	\$	37,413	1.03%	\$	351,396	2.53%	\$	9,312	0.55%
Lower Bound	\$	893,180	3.92%	\$	29,930	1.03%	\$	281,116	2.53%	\$	7,450	0.55%
Total Employment												
Upper Bound		27	3.89%		1	1.02%		9	2.54%		0	0.55%
Lower Bound		20	3.89%		1	1.02%		7	2.54%		0	0.55%
Non-Market Impact												
Consumer's Surplus	\$	72,188	3.93%	\$	2,115	1.02%	\$	62,768	2.53%	\$	3,019	0.55%
Profit ¹	\$	14,481	3.85%	\$	440	1.00%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 3.7. Economic Impact Associated with Alternative 2, Phase 2 Federal Waters, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing	
	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area
Person-days	484	1.86%	163	1.52%	59	1.48%	-	0.00%
Market Impact								
Direct Sales	\$ 80,856	1.9%	\$ 29,762	1.6%	\$ 10,041	1.4%	\$ -	0.0%
Direct Wages and Salaries	\$ 39,086	1.9%	\$ 14,561	1.6%	\$ 4,859	1.5%	\$ -	0.0%
Direct Employment	1	1.7%	0	1.5%	0	1.5%	-	0.0%
Total Income								
Upper Bound	\$ 97,714	1.9%	\$ 36,402	1.6%	\$ 12,147	1.5%	\$ -	0.0%
Lower Bound	\$ 78,171	1.9%	\$ 29,122	1.6%	\$ 9,718	1.5%	\$ -	0.0%
Total Employment								
Upper Bound	3	1.7%	1	1.5%	0	1.5%	-	0.0%
Lower Bound	2	1.7%	1	1.5%	0	1.5%	-	0.0%
Non-Market Impact								
Consumer's Surplus	\$ 5,601	1.9%	\$ 1,893	1.5%	\$ 688	1.5%	\$ -	0.0%
Profit ¹	\$ 1,915	1.2%	\$ 786	1.7%	\$ 132	0.7%	\$ -	0.0%

¹Profit is used as a proxy for producer's surplus.

Table 3.8. Commercial Fishing Impacts of Alternative 2 on Total Income By County

County	Phase 1 Total Income	Phase 2 - State Total Income	Phase 2 - Federal Total Income	Total Alternative Income
1. Monterey	\$506,109	\$12,424	\$9,319	\$527,852
2. San Luis Obispo	\$12,964	\$14	\$818	\$13,796
3. Santa Barbara	\$1,621,738	\$8,532	\$14,480	\$1,644,750
4. Ventura	\$2,268,893	\$150,034	\$205,465	\$2,624,392
5. Los Angeles	\$497,162	\$13,518	\$13,777	\$524,457
6. Orange	\$8	\$6	\$18	\$32
7. San Diego	\$533,492	\$59	\$189	\$533,740
All Counties	\$5,440,366	\$184,587	\$244,066	\$5,869,019

Table 3.9. Commercial Fishing Impacts of Alternative 2 on Total Employment By County

County	Phase 1 Total Employment	Phase 2 - State Total Employment	Phase 2 - Federal Total Employment	Total Alternative Employment
1. Monterey	15	0	0	15
2. San Luis Obispo	0	0	0	0
3. Santa Barbara	53	0	0	53
4. Ventura	69	5	6	80
5. Los Angeles	13	0	0	13
6. Orange	0	0	0	0
7. San Diego	5	0	0	5
All Counties	156	6	7	169

STEP ONE
ECONOMIC IMPACT ANALYSIS

ALTERNATIVE 3

Table 4.1 Commercial Fishing: Summary of Impacts of Alternative 3 on Ex-Vessel Value by Species Group

Species Group	Phase 1		Phase 2 - State		Phase 2 - Federal		Total	
	Value	%	Value	%	Value	%	Value	%
Squid	\$ 670,263	5.14	\$ 25,614	0.20	\$ 42,689	0.33	\$ 738,566	5.67
Kelp	\$ 298,241	4.98	\$ -	0.00	\$ -	0.00	\$ 298,241	4.98
Urchins	\$ 753,956	14.32	\$ -	0.00	\$ -	0.00	\$ 753,956	14.32
Spiny Lobster	\$ 93,605	10.15	\$ 3,798	0.41	\$ -	0.00	\$ 97,403	10.56
Prawn	\$ 25,602	3.64	\$ 68,568	9.75	\$ 112,927	16.06	\$ 207,097	29.45
Rockfish	\$ 71,256	12.97	\$ 16,966	3.09	\$ 44,542	8.11	\$ 132,764	24.17
Crab	\$ 26,104	7.60	\$ 174	0.05	\$ -	0.00	\$ 26,278	7.65
Tuna	\$ 1,956	0.64	\$ 3,856	1.26	\$ 19,206	6.28	\$ 25,018	8.18
Wetfish	\$ 3,725	1.24	\$ 6,353	2.11	\$ 4,800	1.59	\$ 14,878	4.94
CA Sheepshead	\$ 25,582	10.84	\$ 592	0.25	\$ -	0.00	\$ 26,174	11.09
Flatfishes	\$ 7,987	4.34	\$ 1,575	0.86	\$ 3,675	2.00	\$ 13,237	7.2
Sea Cucumbers	\$ 23,361	13.93	\$ -	0.00	\$ -	0.00	\$ 23,361	13.93
Sculpin & Bass	\$ 2,933	4.86	\$ 1,638	2.72	\$ 3,822	6.34	\$ 8,393	13.92
Shark	\$ 2,528	7.27	\$ 378	1.09	\$ 882	2.54	\$ 3,788	10.9
Total	\$ 2,007,099	7.14	\$ 129,512	0.46	\$ 232,544	0.83	\$ 2,369,155	8.43

Percents are the amount of each species/species groups ex vessel value impacted by an alternative divided by the Study Area Total for the species/species group.

Table 4.2. Maximum Potential Loss Associated with Alternative 3, Initial State Waters phase, All Counties

	Charter Boat Fishing		Charter Boat Diving		Private Boat Fishing		Private Boat Diving	
	Boundary	% of Study	Boundary	% of Study	Boundary	% of Study	Boundary	% of Study
	Alternative	Area	Alternative	Area	Alternative	Area	Alternative	Area
Person-days	9,916	6.25%	1,251	6.98%	14,978	7.00%	2,157	4.57%
Market Impact								
Direct Sales	\$ 1,537,153	6.28%	\$ 206,199	6.85%	\$ 1,074,382	7.00%	\$ 118,641	4.58%
Direct Wages and Salaries	\$ 718,606	6.32%	\$ 100,143	6.91%	\$ 388,260	7.00%	\$ 31,312	4.59%
Direct Employment	23	6.46%	3	7.06%	12	7.00%	1	4.61%
Total Income								
Upper Bound	\$ 1,796,516	6.32%	\$ 250,358	6.91%	\$ 970,650	7.00%	\$ 78,281	4.59%
Lower Bound	\$ 1,437,213	6.32%	\$ 200,286	6.91%	\$ 776,520	7.00%	\$ 62,624	4.59%
Total Employment								
Upper Bound	45	6.46%	7	7.06%	25	7.00%	2	4.61%
Lower Bound	34	6.46%	5	7.06%	18	7.00%	2	4.61%
Non-Market Impact								
Consumer's Surplus	\$ 114,816	6.25%	\$ 14,490	6.98%	\$ 173,428	7.00%	\$ 24,977	4.58%
Profit ¹	\$ 23,658	6.29%	\$ 2,950	6.70%	n/a	n/a	n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 4.3. Economic Impact Associated with Alternative 3, Initial State Waters phase, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing		
	Boundary	% of	Boundary	% of	Boundary	% of	Boundary	% of Study	
	Alternative	Area	Alternative	Area	Alternative	Area	Alternative	Area	
Person-days	1,078	4.15%	749	6.96%	208	5.19%	136	11.00%	
Market Impact									
Direct Sales	\$	177,943	4.1%	\$	121,289	6.5%	\$	28,472	11.1%
Direct Wages and Salaries	\$	86,511	4.1%	\$	59,142	6.6%	\$	14,304	11.1%
Direct Employment		3	4.1%		2	7.0%		1	11.1%
Total Income									
Upper Bound	\$	216,278	4.1%	\$	147,854	6.6%	\$	35,759	11.1%
Lower Bound	\$	173,022	4.1%	\$	118,284	6.6%	\$	28,607	11.1%
Total Employment									
Upper Bound		6	4.1%		4	7.0%		1	11.1%
Lower Bound		4	4.1%		3	7.0%		1	11.1%
Non-Market Impact									
Consumer's Surplus	\$	12,483	4.1%	\$	8,678	7.0%	\$	1,570	11.0%
Profit ¹	\$	6,505	4.1%	\$	2,486	5.4%	\$	300	10.8%

¹Profit is used as a proxy for producer's surplus.

Table 4.4. Maximum Potential Loss Associated with Alternative 3, Phase 2 State Waters, All Counties

	Charter Boat Fishing		Charter Boat Diving		Private Boat Fishing		Private Boat Diving					
	Boundary	% of Study	Boundary	% of Study	Boundary	% of Study	Boundary	% of Study				
	Alternative	Area	Alternative	Area	Alternative	Area	Alternative	Area				
Person-days	3,264	2.06%	194	1.08%	2,120	0.99%	233	0.49%				
Market Impact												
Direct Sales	\$	504,014	2.06%	\$	30,591	1.02%	\$	12,809	0.49%			
Direct Wages and Salaries	\$	235,235	2.07%	\$	14,893	1.03%	\$	54,976	0.99%	\$	3,360	0.49%
Direct Employment		7	2.08%		1	1.12%		2	0.99%		0	0.50%
Total Income												
Upper Bound	\$	588,086	2.07%	\$	37,232	1.03%	\$	137,440	0.99%	\$	8,400	0.49%
Lower Bound	\$	470,469	2.07%	\$	29,786	1.03%	\$	109,952	0.99%	\$	6,720	0.49%
Total Employment												
Upper Bound		15	2.08%		1	1.12%		3	0.99%		0	0.50%
Lower Bound		11	2.08%		1	1.12%		3	0.99%		0	0.50%
Non-Market Impact												
Consumer's Surplus	\$	37,788	2.06%	\$	2,248	1.08%	\$	24,546	0.99%	\$	2,697	0.49%
Profit ¹	\$	7,690	2.04%	\$	439	1.00%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 4.5. Economic Impact Associated with Alternative 3, Phase 2 State Waters, All Counties

	Whale Watching			NC Diving		Sailing		Kayaking/Sightseeing				
	Boundary	% of		Boundary	% of Study	Boundary	% of	Boundary	% of Study			
	Alternative	Area		Alternative	Area	Alternative	Area	Alternative	Area			
Person-days	30	0.11%		225	2.09%	24	0.59%	-	0.00%			
Market Impact												
Direct Sales	\$	4,981	0.1%	\$	35,852	1.9%	\$	4,016	0.6%	\$	-	0.0%
Direct Wages and Salaries	\$	2,409	0.1%	\$	17,531	1.9%	\$	1,944	0.6%	\$	-	0.0%
Direct Employment		0	0.1%		1	2.1%		0	0.6%		-	0.0%
Total Income												
Upper Bound	\$	6,022	0.1%	\$	43,829	1.9%	\$	4,859	0.6%	\$	-	0.0%
Lower Bound	\$	4,817	0.1%	\$	35,063	1.9%	\$	3,887	0.6%	\$	-	0.0%
Total Employment												
Upper Bound		0	0.1%		1	2.1%		0	0.6%		-	0.0%
Lower Bound		0	0.1%		1	2.1%		0	0.6%		-	0.0%
Non-Market Impact												
Consumer's Surplus	\$	345	0.1%	\$	2,608	2.1%	\$	275	0.6%	\$	-	0.0%
Profit ¹	\$	121	0.1%	\$	688	1.5%	\$	53	0.3%	\$	-	0.0%

¹Profit is used as a proxy for producer's surplus.

Table 4.6. Maximum Potential Loss Associated with Alternative 3, Phase 2 Federal Waters, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		6,848	4.31%		244	1.36%		4,792	2.24%		277	0.59%
Market Impact												
Direct Sales	\$	1,053,736	4.30%	\$	40,808	1.36%	\$	343,719	2.24%	\$	15,217	0.59%
Direct Wages and Salaries	\$	491,010	4.31%	\$	19,802	1.37%	\$	124,247	2.24%	\$	3,968	0.58%
Direct Employment		15	4.29%		1	1.36%		4	2.24%		0	0.59%
Total Income												
Upper Bound	\$	1,227,526	4.31%	\$	49,506	1.37%	\$	310,618	2.24%	\$	9,921	0.58%
Lower Bound	\$	982,021	4.31%	\$	39,605	1.37%	\$	248,495	2.24%	\$	7,937	0.58%
Total Employment												
Upper Bound		30	4.29%		1	1.36%		8	2.24%		0	0.59%
Lower Bound		23	4.29%		1	1.36%		6	2.24%		0	0.59%
Non-Market Impact												
Consumer's Surplus	\$	79,291	4.31%	\$	2,822	1.36%	\$	55,484	2.24%	\$	3,204	0.59%
Profit ¹	\$	15,942	4.24%	\$	583	1.32%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 4.7. Economic Impact Associated with Alternative 3, Phase 2 Federal Waters, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing	
	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area
Person-days	5	0.02%	200	1.86%	32	0.79%	-	0.00%
Market Impact								
Direct Sales	\$ 746	0.0%	\$ 35,385	1.9%	\$ 5,355	0.8%	\$ -	0.0%
Direct Wages and Salaries	\$ 364	0.0%	\$ 17,310	1.9%	\$ 2,591	0.8%	\$ -	0.0%
Direct Employment	0	0.0%	1	1.9%	0	0.8%	-	0.0%
Total Income								
Upper Bound	\$ 910	0.0%	\$ 43,275	1.9%	\$ 6,478	0.8%	\$ -	0.0%
Lower Bound	\$ 728	0.0%	\$ 34,620	1.9%	\$ 5,183	0.8%	\$ -	0.0%
Total Employment								
Upper Bound	0	0.0%	1	1.9%	0	0.8%	-	0.0%
Lower Bound	0	0.0%	1	1.9%	0	0.8%	-	0.0%
Non-Market Impact								
Consumer's Surplus	\$ 53	0.0%	\$ 2,318	1.9%	\$ 367	0.8%	\$ -	0.0%
Profit ¹	\$ 33	0.0%	\$ 881	1.9%	\$ 71	0.4%	\$ -	0.0%

¹Profit is used as a proxy for producer's surplus.

Table 4.8. Commercial Fishing Impacts of Alternative 3 on Total Income By County

County	Phase 1 Total Income	Phase 2 - State Total Income	Phase 2 - Federal Total Income	Total Alternative Income
1. Monterey	\$487,478	\$18,633	\$31,051	\$537,162
2. San Luis Obispo	\$14,061	\$3,253	\$8,521	\$25,835
3. Santa Barbara	\$1,725,409	\$34,478	\$61,295	\$1,821,182
4. Ventura	\$2,155,876	\$230,537	\$363,219	\$2,749,632
5. Los Angeles	\$472,303	\$18,820	\$32,523	\$523,646
6. Orange	\$7	\$7	\$33	\$47
7. San Diego	\$479,618	\$70	\$346	\$480,034
All Counties	\$5,334,752	\$305,799	\$496,988	\$6,137,539

Table 4.9. Commercial Fishing Impacts of Alternative 3 on Total Employment By County

County	Phase 1 Total Employment	Phase 2 - State Total Employment	Phase 2 - Federal Total Employment	Total Alternative Employment
1. Monterey	14	1	1	16
2. San Luis Obispo	1	0	0	1
3. Santa Barbara	56	1	2	59
4. Ventura	66	7	11	84
5. Los Angeles	12	0	1	13
6. Orange	0	0	0	0
7. San Diego	5	0	0	5
All Counties	154	9	15	178

STEP ONE ECONOMIC IMPACT ANALYSIS

ALTERNATIVE 4

Table 5.1 Commercial Fishing: Summary of Impacts of Alternative 4 on Ex-Vessel Value by Species Group

Species Group	Phase 1		Phase 2 - State		Phase 2 - Federal		Total	
	Value	%	Value	%	Value	%	Value	%
Squid	\$ 1,686,334	12.93	\$ 29,883	0.23	\$ 55,496	0.43	\$ 1,771,713	13.59
Kelp	\$ 467,886	7.81	\$ -	0.00	\$ -	0.00	\$ 467,886	7.81
Urchins	\$ 1,045,387	19.85	\$ 23,066	0.44	\$ -	0.00	\$ 1,068,453	20.29
Spiny Lobster	\$ 145,269	15.75	\$ 5,064	0.55	\$ -	0.00	\$ 150,333	16.3
Prawn	\$ 36,290	5.16	\$ 68,568	9.75	\$ 184,214	26.20	\$ 289,072	41.11
Rockfish	\$ 92,693	16.87	\$ 23,347	4.25	\$ 48,796	8.88	\$ 164,836	30
Crab	\$ 48,222	14.03	\$ 261	0.08	\$ -	0.00	\$ 48,483	14.11
Tuna	\$ 3,415	1.12	\$ 4,470	1.46	\$ 19,270	6.30	\$ 27,155	8.88
Wetfish	\$ 10,799	3.58	\$ 9,876	3.28	\$ 6,853	2.27	\$ 27,528	9.13
CA Sheepshead	\$ 44,558	18.89	\$ 4,004	1.70	\$ -	0.00	\$ 48,562	20.59
Flatfishes	\$ 18,371	9.99	\$ 2,175	1.18	\$ 6,225	3.39	\$ 26,771	14.56
Sea Cucumbers	\$ 31,951	19.05	\$ 958	0.57	\$ -	0.00	\$ 32,909	19.62
Sculpin & Bass	\$ 4,642	7.69	\$ 2,606	4.32	\$ 6,543	10.85	\$ 13,791	22.86
Shark	\$ 4,799	13.81	\$ 522	1.50	\$ 1,494	4.30	\$ 6,815	19.61
Total	\$ 3,640,616	12.95	\$ 174,800	0.62	\$ 328,891	1.17	\$ 4,144,307	14.74

Percents are the amount of each species/species groups ex vessel value impacted by an alternative divided by the Study Area Total for the species/species group.

Table 5.2. Maximum Potential Loss Associated with Alternative 4, Initial State Waters phase, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		15,866	9.99%		3,061	17.07%		29,527	13.80%		11,348	24.05%
Market Impact												
Direct Sales	\$	2,455,203	10.03%	\$	516,024	17.15%	\$	2,118,003	13.80%	\$	624,165	24.10%
Direct Wages and Salaries	\$	1,138,492	10.00%	\$	248,485	17.15%	\$	765,388	13.80%	\$	164,419	24.09%
Direct Employment		35	10.13%		8	17.02%		24	13.80%		6	24.11%
Total Income												
Upper Bound	\$	2,846,229	10.00%	\$	621,212	17.15%	\$	1,913,470	13.80%	\$	411,048	24.09%
Lower Bound	\$	2,276,983	10.00%	\$	496,970	17.15%	\$	1,530,776	13.80%	\$	328,838	24.09%
Total Employment												
Upper Bound		71	10.13%		16	17.02%		48	13.80%		12	24.11%
Lower Bound		53	10.13%		12	17.02%		36	13.80%		9	24.11%
Non-Market Impact												
Consumer's Surplus	\$	183,710	9.99%	\$	35,444	17.07%	\$	341,891	13.80%	\$	131,401	24.10%
Profit ¹	\$	38,586	10.25%	\$	7,542	17.14%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 5.3. Economic Impact Associated with Alternative 4, Initial State Waters phase, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing		
	Boundary	% of	Boundary	% of	Boundary	% of	Boundary	% of Study	
	Alternative	Area	Alternative	Area	Alternative	Area	Alternative	Area	
Person-days	4,221	16.24%	1,835	17.03%	490	12.20%	174	14.13%	
Market Impact									
Direct Sales	\$	701,459	16.4%	\$	321,480	17.3%	\$	36,097	14.0%
Direct Wages and Salaries	\$	339,977	16.3%	\$	156,215	17.4%	\$	18,101	14.0%
Direct Employment		11	15.7%		5	17.0%		1	13.9%
Total Income									
Upper Bound	\$	849,942	16.3%	\$	390,537	17.4%	\$	45,251	14.0%
Lower Bound	\$	679,954	16.3%	\$	312,430	17.4%	\$	36,201	14.0%
Total Employment									
Upper Bound		23	15.7%		11	17.0%		1	13.9%
Lower Bound		17	15.7%		8	17.0%		1	13.9%
Non-Market Impact									
Consumer's Surplus	\$	48,875	16.2%	\$	21,243	17.0%	\$	2,018	14.1%
Profit ¹	\$	20,764	13.2%	\$	8,122	17.5%	\$	399	14.4%

¹Profit is used as a proxy for producer's surplus.

Table 5.4. Maximum Potential Loss Associated with Alternative 4, Phase 2 State Waters, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		4,860	3.06%		306	1.71%		3,846	1.80%		367	0.78%
Market Impact												
Direct Sales	\$	750,672	3.07%	\$	48,083	1.60%	\$	275,863	1.80%	\$	20,196	0.78%
Direct Wages and Salaries	\$	350,390	3.08%	\$	23,414	1.62%	\$	99,641	1.80%	\$	5,305	0.78%
Direct Employment		11	3.11%		1	1.77%		3	1.80%		0	0.80%
Total Income												
Upper Bound	\$	875,975	3.08%	\$	58,535	1.62%	\$	249,102	1.80%	\$	13,261	0.78%
Lower Bound	\$	700,780	3.08%	\$	46,828	1.62%	\$	199,282	1.80%	\$	10,609	0.78%
Total Employment												
Upper Bound		22	3.11%		2	1.77%		6	1.80%		0	0.80%
Lower Bound		16	3.11%		1	1.77%		5	1.80%		0	0.80%
Non-Market Impact												
Consumer's Surplus	\$	56,268	3.06%	\$	3,548	1.71%	\$	44,530	1.80%	\$	4,252	0.78%
Profit ¹	\$	11,460	3.05%	\$	691	1.57%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 5.5. Economic Impact Associated with Alternative 4, Phase 2 State Waters, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing	
	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area
Person-days	51	0.20%	360	3.34%	28	0.69%	-	0.00%
Market Impact								
Direct Sales	\$ 8,439	0.2%	\$ 56,941	3.1%	\$ 4,686	0.7%	\$ -	0.0%
Direct Wages and Salaries	\$ 4,108	0.2%	\$ 27,843	3.1%	\$ 2,267	0.7%	\$ -	0.0%
Direct Employment	0	0.2%	1	3.3%	0	0.7%	-	0.0%
Total Income								
Upper Bound	\$ 10,270	0.2%	\$ 69,607	3.1%	\$ 5,669	0.7%	\$ -	0.0%
Lower Bound	\$ 8,216	0.2%	\$ 55,686	3.1%	\$ 4,535	0.7%	\$ -	0.0%
Total Employment								
Upper Bound	0	0.2%	2	3.3%	0	0.7%	-	0.0%
Lower Bound	0	0.2%	2	3.3%	0	0.7%	-	0.0%
Non-Market Impact								
Consumer's Surplus	\$ 594	0.2%	\$ 4,164	3.3%	\$ 321	0.7%	\$ -	0.0%
Profit ¹	\$ 334	0.2%	\$ 1,075	2.3%	\$ 62	0.3%	\$ -	0.0%

¹Profit is used as a proxy for producer's surplus.

Table 5.6. Maximum Potential Loss Associated with Alternative 4, Phase 2 Federal Waters, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		11,236	7.08%		384	2.14%		7,287	3.40%		373	0.79%
Market Impact												
Direct Sales	\$	1,727,102	7.06%	\$	64,726	2.15%	\$	522,681	3.40%	\$	20,501	0.79%
Direct Wages and Salaries	\$	804,400	7.07%	\$	31,397	2.17%	\$	188,890	3.40%	\$	5,349	0.78%
Direct Employment		24	6.99%		1	2.14%		6	3.41%		0	0.79%
Total Income												
Upper Bound	\$	2,010,999	7.07%	\$	78,493	2.17%	\$	472,224	3.40%	\$	13,372	0.78%
Lower Bound	\$	1,608,799	7.07%	\$	62,794	2.17%	\$	377,779	3.40%	\$	10,698	0.78%
Total Employment												
Upper Bound		49	6.99%		2	2.14%		12	3.41%		0	0.79%
Lower Bound		37	6.99%		2	2.14%		9	3.41%		0	0.79%
Non-Market Impact												
Consumer's Surplus	\$	130,099	7.08%	\$	4,445	2.14%	\$	84,372	3.40%	\$	4,316	0.79%
Profit ¹	\$	26,064	6.93%	\$	924	2.10%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 5.7. Economic Impact Associated with Alternative 4, Phase 2 Federal Waters, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing	
	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area
Person-days	1,177	4.53%	311	2.88%	51	1.28%	-	0.00%
Market Impact								
Direct Sales	\$ 193,641	4.5%	\$ 55,968	3.0%	\$ 8,702	1.3%	\$ -	0.0%
Direct Wages and Salaries	\$ 94,287	4.5%	\$ 27,381	3.0%	\$ 4,211	1.3%	\$ -	0.0%
Direct Employment	3	4.6%	1	2.9%	0	1.3%	-	0.0%
Total Income								
Upper Bound	\$ 235,718	4.5%	\$ 68,453	3.0%	\$ 10,527	1.3%	\$ -	0.0%
Lower Bound	\$ 188,575	4.5%	\$ 54,762	3.0%	\$ 8,422	1.3%	\$ -	0.0%
Total Employment								
Upper Bound	7	4.6%	2	2.9%	0	1.3%	-	0.0%
Lower Bound	5	4.6%	1	2.9%	0	1.3%	-	0.0%
Non-Market Impact								
Consumer's Surplus	\$ 13,630	4.5%	\$ 3,597	2.9%	\$ 596	1.3%	\$ -	0.0%
Profit ¹	\$ 7,748	4.9%	\$ 1,447	3.1%	\$ 115	0.6%	\$ -	0.0%

¹Profit is used as a proxy for producer's surplus.

Table 5.8. Commercial Fishing Impacts of Alternative 4 on Total Income By County

County	Phase 1 Total Income	Phase 2 - State Total Income	Phase 2 - Federal Total Income	Total Alternative Income
1. Monterey	\$1,226,462	\$21,741	\$40,367	\$1,288,570
2. San Luis Obispo	\$18,827	\$4,482	\$9,348	\$32,657
3. Santa Barbara	\$2,470,534	\$87,130	\$75,480	\$2,633,144
4. Ventura	\$5,109,331	\$268,406	\$548,320	\$5,926,057
5. Los Angeles	\$1,166,533	\$24,304	\$41,776	\$1,232,613
6. Orange	\$14	\$8	\$33	\$55
7. San Diego	\$750,738	\$368	\$350	\$751,456
All Counties	\$10,742,440	\$406,439	\$715,674	\$11,864,553

Table 5.9. Commercial Fishing Impacts of Alternative 4 on Total Employment By County

County	Phase 1 Total Employment	Phase 2 - State Total Employment	Phase 2 - Federal Total Employment	Total Alternative Employment
1. Monterey	36	1	1	38
2. San Luis Obispo	1	0	0	1
3. Santa Barbara	80	3	2	85
4. Ventura	156	8	17	181
5. Los Angeles	31	1	1	33
6. Orange	0	0	0	0
7. San Diego	8	0	0	8
All Counties	311	12	22	345

STEP ONE
ECONOMIC IMPACT ANALYSIS

ALTERNATIVE 5

Table 6.1 Commercial Fishing: Summary of Impacts of Alternative 5 on Ex-Vessel Value by Species Group

Species Group	Phase 1		Phase 2 - State		Phase 2 - Federal		Total	
	Value	%	Value	%	Value	%	Value	%
Squid	\$ 1,985,178	15.22	\$ 93,920	0.72	\$ 76,843	0.59	\$ 2,155,941	16.53
Kelp	\$ 730,650	12.20	\$ -	0.00	\$ -	0.00	\$ 730,650	12.2
Urchins	\$ 1,338,737	25.43	\$ -	0.00	\$ 2,687	0.05	\$ 1,341,424	25.48
Spiny Lobster	\$ 199,036	21.59	\$ 3,165	0.34	\$ -	0.00	\$ 202,201	21.93
Prawn	\$ 26,092	3.71	\$ 37,179	5.29	\$ 142,504	20.27	\$ 205,775	29.27
Rockfish	\$ 117,331	21.36	\$ 27,626	5.03	\$ 33,857	6.16	\$ 178,814	32.55
Crab	\$ 51,087	14.87	\$ 3,329	0.97	\$ -	0.00	\$ 54,416	15.84
Tuna	\$ 5,243	1.72	\$ 4,252	1.39	\$ 31,300	10.24	\$ 40,795	13.35
Wetfish	\$ 25,986	8.62	\$ 6,938	2.30	\$ 31,249	10.36	\$ 64,173	21.28
CA Sheepshead	\$ 62,802	26.62	\$ 296	0.13	\$ -	0.00	\$ 63,098	26.75
Flatfishes	\$ 25,558	13.90	\$ 2,863	1.56	\$ 6,750	3.67	\$ 35,171	19.13
Sea Cucumbers	\$ 43,477	25.93	\$ -	0.00	\$ -	0.00	\$ 43,477	25.93
Sculpin & Bass	\$ 6,633	11.00	\$ 1,978	3.28	\$ 7,020	11.64	\$ 15,631	25.92
Shark	\$ 5,973	17.19	\$ 378	1.09	\$ 1,620	4.66	\$ 7,971	22.94
Total	\$ 4,623,782	16.45	\$ 181,924	0.65	\$ 333,830	1.19	\$ 5,139,536	18.29

Percents are the amount of each species/species groups ex vessel value impacted by an alternative divided by the Study Area Total for the species/species group.

Table 6.2. Maximum Potential Loss Associated with Alternative 5, Initial State Waters phase, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		19,585	12.34%		4,396	24.51%		35,581	16.63%		14,439	30.60%
Market Impact												
Direct Sales	\$	3,027,667	12.37%	\$	742,795	24.69%	\$	2,552,192	16.63%	\$	794,165	30.66%
Direct Wages and Salaries	\$	1,406,739	12.36%	\$	357,501	24.67%	\$	922,252	16.62%	\$	209,187	30.65%
Direct Employment		44	12.48%		12	24.41%		29	16.63%		7	30.68%
Total Income												
Upper Bound	\$	3,516,847	12.36%	\$	893,752	24.67%	\$	2,305,631	16.62%	\$	522,969	30.65%
Lower Bound	\$	2,813,477	12.36%	\$	715,002	24.67%	\$	1,844,505	16.62%	\$	418,375	30.65%
Total Employment												
Upper Bound		87	12.48%		24	24.41%		58	16.63%		15	30.68%
Lower Bound		66	12.48%		18	24.41%		44	16.63%		11	30.68%
Non-Market Impact												
Consumer's Surplus	\$	226,766	12.34%	\$	50,896	24.51%	\$	411,978	16.63%	\$	167,190	30.66%
Profit ¹	\$	47,095	12.52%	\$	10,867	24.70%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 6.3. Economic Impact Associated with Alternative 5, Initial State Waters phase, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing		
	Boundary	% of	Boundary	% of	Boundary	% of	Boundary	% of Study	
	Alternative	Area	Alternative	Area	Alternative	Area	Alternative	Area	
Person-days	4,608	17.74%	2,274	21.10%	589	14.68%	386	31.31%	
Market Impact									
Direct Sales	\$	766,451	17.9%	\$	396,949	21.4%	\$	80,471	31.3%
Direct Wages and Salaries	\$	371,337	17.8%	\$	193,301	21.5%	\$	40,387	31.2%
Direct Employment		12	17.0%		7	21.1%		2	31.2%
Total Income									
Upper Bound	\$	928,341	17.8%	\$	483,254	21.5%	\$	100,966	31.2%
Lower Bound	\$	742,673	17.8%	\$	386,603	21.5%	\$	80,773	31.2%
Total Employment									
Upper Bound		25	17.0%		13	21.1%		3	31.2%
Lower Bound		18	17.0%		10	21.1%		2	31.2%
Non-Market Impact									
Consumer's Surplus	\$	53,359	17.7%	\$	26,327	21.1%	\$	4,470	31.3%
Profit ¹	\$	22,038	14.0%	\$	9,846	21.3%	\$	870	31.5%

¹Profit is used as a proxy for producer's surplus.

Table 6.4. Maximum Potential Loss Associated with Alternative 5, Phase 2 State Waters, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		4,159	2.62%		230	1.28%		3,022	1.41%		305	0.65%
Market Impact												
Direct Sales	\$	643,110	2.63%	\$	36,331	1.21%	\$	216,773	1.41%	\$	16,749	0.65%
Direct Wages and Salaries	\$	300,310	2.64%	\$	17,685	1.22%	\$	78,343	1.41%	\$	4,405	0.65%
Direct Employment		9	2.67%		1	1.33%		2	1.42%		0	0.66%
Total Income												
Upper Bound	\$	750,774	2.64%	\$	44,213	1.22%	\$	195,857	1.41%	\$	11,013	0.65%
Lower Bound	\$	600,619	2.64%	\$	35,370	1.22%	\$	156,685	1.41%	\$	8,810	0.65%
Total Employment												
Upper Bound		19	2.67%		1	1.33%		5	1.42%		0	0.66%
Lower Bound		14	2.67%		1	1.33%		4	1.42%		0	0.66%
Non-Market Impact												
Consumer's Surplus	\$	48,160	2.62%	\$	2,664	1.28%	\$	34,992	1.41%	\$	3,526	0.65%
Profit ¹	\$	9,840	2.61%	\$	522	1.19%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 6.5. Economic Impact Associated with Alternative 5, Phase 2 State Waters, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing	
	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area	Boundary Alternative	% of Area	Boundary Alternative	% of Study Area
Person-days	293	1.13%	268	2.49%	20	0.49%	-	0.00%
Market Impact								
Direct Sales	\$ 47,776	1.1%	\$ 42,830	2.3%	\$ 3,347	0.5%	\$ -	0.0%
Direct Wages and Salaries	\$ 23,350	1.1%	\$ 20,944	2.3%	\$ 1,620	0.5%	\$ -	0.0%
Direct Employment	1	1.2%	1	2.5%	0	0.5%	-	0.0%
Total Income								
Upper Bound	\$ 58,375	1.1%	\$ 52,360	2.3%	\$ 4,049	0.5%	\$ -	0.0%
Lower Bound	\$ 46,700	1.1%	\$ 41,888	2.3%	\$ 3,239	0.5%	\$ -	0.0%
Total Employment								
Upper Bound	2	1.2%	2	2.5%	0	0.5%	-	0.0%
Lower Bound	1	1.2%	1	2.5%	0	0.5%	-	0.0%
Non-Market Impact								
Consumer's Surplus	\$ 3,390	1.1%	\$ 3,101	2.5%	\$ 229	0.5%	\$ -	0.0%
Profit ¹	\$ 2,315	1.5%	\$ 833	1.8%	\$ 44	0.2%	\$ -	0.0%

¹Profit is used as a proxy for producer's surplus.

Table 6.6. Maximum Potential Loss Associated with Alternative 5, Phase 2 Federal Waters, All Counties

	Charter Boat Fishing			Charter Boat Diving			Private Boat Fishing			Private Boat Diving		
	Boundary	% of Study		Boundary	% of Study		Boundary	% of Study		Boundary	% of Study	
	Alternative	Area		Alternative	Area		Alternative	Area		Alternative	Area	
Person-days		12,824	8.08%		503	2.80%		8,857	4.14%		597	1.26%
Market Impact												
Direct Sales	\$	1,971,572	8.05%	\$	85,877	2.85%	\$	635,343	4.14%	\$	32,823	1.27%
Direct Wages and Salaries	\$	918,120	8.07%	\$	40,687	2.81%	\$	229,610	4.14%	\$	8,553	1.25%
Direct Employment		28	7.99%		1	2.77%		7	4.14%		0	1.26%
Total Income												
Upper Bound	\$	2,295,301	8.07%	\$	101,717	2.81%	\$	574,025	4.14%	\$	21,382	1.25%
Lower Bound	\$	1,836,241	8.07%	\$	81,374	2.81%	\$	459,220	4.14%	\$	17,106	1.25%
Total Employment												
Upper Bound		56	7.99%		3	2.77%		15	4.14%		1	1.26%
Lower Bound		42	7.99%		2	2.77%		11	4.14%		0	1.26%
Non-Market Impact												
Consumer's Surplus	\$	148,485	8.08%	\$	5,820	2.80%	\$	102,558	4.14%	\$	6,910	1.27%
Profit ¹	\$	29,792	7.92%	\$	1,315	2.99%		n/a	n/a		n/a	n/a

¹Profit is used as a proxy for producer's surplus.

Table 6.7. Economic Impact Associated with Alternative 5, Phase 2 Federal Waters, All Counties

	Whale Watching		NC Diving		Sailing		Kayaking/Sightseeing					
	Boundary	% of	Boundary	% of Study	Boundary	% of	Boundary	% of Study				
	Alternative	Area	Alternative	Area	Alternative	Area	Alternative	Area				
Person-days	1,769	6.81%	360	3.34%	63	1.58%	-	0.00%				
Market Impact												
Direct Sales	\$	290,642	6.8%	\$	64,973	3.5%	\$	-	0.0%			
Direct Wages and Salaries	\$	141,600	6.8%	\$	31,786	3.5%	\$	5,183	1.6%	\$	-	0.0%
Direct Employment		5	7.0%		1	3.3%		0	1.6%		-	0.0%
Total Income												
Upper Bound	\$	354,001	6.8%	\$	79,466	3.5%	\$	12,957	1.6%	\$	-	0.0%
Lower Bound	\$	283,201	6.8%	\$	63,573	3.5%	\$	10,365	1.6%	\$	-	0.0%
Total Employment												
Upper Bound		10	7.0%		2	3.3%		0	1.6%		-	0.0%
Lower Bound		8	7.0%		2	3.3%		0	1.6%		-	0.0%
Non-Market Impact												
Consumer's Surplus	\$	20,483	6.8%	\$	4,166	3.3%	\$	734	1.6%	\$	-	0.0%
Profit ¹	\$	12,009	7.6%	\$	1,688	3.6%	\$	141	0.8%	\$	-	0.0%

¹Profit is used as a proxy for producer's surplus.

Table 6.8. Commercial Fishing Impacts of Alternative 5 on Total Income By County

County	Phase 1 Total Income	Phase 2 - State Total Income	Phase 2 - Federal Total Income	Total Alternative Income
1. Monterey	1,443,819	68,313	55,911	\$1,568,043
2. San Luis Obispo	23,768	5,327	6,517	\$35,612
3. Santa Barbara	3,153,709	50,255	60,523	\$3,264,487
4. Ventura	6,088,433	363,664	622,547	\$7,074,644
5. Los Angeles	1,390,029	57,210	67,284	\$1,514,523
6. Orange	19	8	53	\$80
7. San Diego	1,168,698	77	598	\$1,169,373
All Counties	13,268,476	544,854	813,434	\$14,626,764

Table 6.9. Commercial Fishing Impacts of Alternative 5 on Total Employment By County

County	Phase 1 Total Employment	Phase 2 - State Total Employment	Phase 2 - Federal Total Employment	Total Alternative Employment
1. Monterey	43	2	2	47
2. San Luis Obispo	1	0	0	1
3. Santa Barbara	102	2	2	106
4. Ventura	185	11	19	215
5. Los Angeles	37	2	2	41
6. Orange	0	0	0	0
7. San Diego	12	0	0	12
All Counties	380	16	25	421